

Ethylene  
74-85-1 | DTXSID1026378

Model Performance

Model

Data

Weighted KNN model

5-fold CV (75%)		Training (75%)		Test (25%)	
Q2	RMSE	R2	RMSE	R2	RMSE
0.93	22.5	0.93	22.1	0.93	22.1

## Model Results

**Predicted value:** -71.5 °C

**Global applicability domain:** Inside

**Local applicability domain index:** 5.86e-01

**Confidence level:** 4.11e-01

## Nearest Neighbors from the Training Set

Image not found

Ethylene

**Measured:** -104

**Predicted:** -71.5

Image not found

Dimethylboranyl

**Measured:** 70.5

**Predicted:** 27.2

Image not found

Propane

**Measured:** -42.1

**Predicted:** -29.2

Image not found

Dimethyl ether

**Measured:** -24.8

**Predicted:** -26.1

Image not found

1-Propene

**Measured:** -48.0

**Predicted:** -35.4